

RPPB1740

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## Product Information    Protein Information

**Product SKU:**

RPPB1740

**Accession:**

Q8TD30

**Host:**

E.coli.

**Protein description:**

GPT2 Human Recombinant produced in E. coli is a single polypeptide chain containing 546 amino acids (1-523) and having a molecular mass of 60.3 kDa. GPT2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

ALT2, AAT2, Alanine aminotransferase 2, Glutamate pyruvate transaminase 2, Glutamic--alanine transaminase 2, Glutamic--pyruvic transaminase 2.

**Formulation:**

The GPT2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH7.5), 30% glycerol, 2mM DTT, 0.2M NaCl.

**Purity:**

Greater than 90% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MGSQRAAAL VRRGCGPRTP SSWGRSQSSA AAEASAVLKV RPERSRRERI  
LTLESMPNPQV KAVEYAVRGP IVLKAGEIEL ELQRGIKPF TEVIRANIGD AQAMGQQPIT FLRQVMALCT  
YPNLLDPSF PEDAKKRARR ILQACGGNSL GSYSASQGVN CIREDVAAYI TRRDGGVPAD PDNIYLTGA  
SDGISTILKI LVSGGGKSRT GVMIPQYP LYSAVISELD AIQVNYLDE ENCWALNVNE LRAVQEAKD  
HCDPKVLCII NPGNPTGQVQ SRKCIEDVIH FAWEEKLFL ADEVYQDNVY SPDCRFHSFK KVLVEMGPEY  
SSNVELASFH STSKGYMGEC GYRGGYMEVI NLHPEIKGQL VKLLSVRLCP PVSGQAAMDI VVNPVAGEE  
SFEQFSREKE SVLGNLAKKA KLTEDLFNQV PGIHCNPLQG AMYAFPRIFI PAKAVEAAQA HQMAPDMFYC  
MKLLEETGIC VVPGSGFGQR EGTYHFRMTI LPPVEKLTV LQVKDFHIN FLEKYA.

**Biological Activity:**

Specific activity is > 100units/mg, and is defined as the amount of enzyme that cleaves 1umole of L-Alanine to L-Glutamate per minute at pH 7.5 at 37C.